Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will very depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office. Administra, VA 22302. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent.

Signature

37,701

October 23, 2003

Date

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: NOGAMI

Serial No.: 10/690,811

Filed: October 23, 2004

Title: ORALLY ADMINISTERED AGENT AND AN ORALLY ADMINISTERED AGENT/SUPPORTING SUBSTRATE

COMPLEX

Atty. Dkt.: 24-009-TB

Art Unit: 1615

Examiner:





Mail Stop: Office of Initial Patent Examination

Filing Receipt Corrections
Commissioner for Patents

Alexandria, VA 22314

Date: December 8, 2005

CERTIFICATE OF FACSIMILE TRANSMISSION

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office, Fax No. 571-273-8300 on December 8, 2005.

Typed Name: DAVID G. POSZ

Signature:

REQUEST FOR CORRECTED FILING RECEIPT

Sir:

Please correct the filing receipt (copy to follow with indicated corrections) for the above-referenced patent application, and generate a corrected filing receipt. Copies of as-filed Form PTO/SB/05 and declarations are attached herewith for your references.

Please charge any unforceeen fees that may be due to Deposit Account No. 50-1147.

DGP/yfm

Posz Law Group, PLC 12040 South Lakes Drive, Suite 101

Reston, VA 20191 Phone 703-707-9110

Fax 703-707-9112

Customer No. 23400

Respectfully submitted,

David G. Posz Reg. No. 37,701



<u>United States Patent and Trademark Office</u>

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Teachers & Office Address COMMISSIONER FOR PATENTS P. DOX (450 Alexandra, Vincils 22315-1430

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	APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
	10/690,811	10/23/2003	1615	1190	24-009-TB	5	12	1

23400 POSZ & BETHARDS, PLC 11250 ROGER BACON DRIVE SUITE 10 RESTON, VA 20190 CONFIRMATION NO. 5426 UPDATED FILING RECEIPT

OC000000012268831

Date Mailed: 04/05/2004

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when Inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s) X

<u>Ei Ji</u> Nogami, Saitama-shi, JAPAN,

Eiji

Domestic Priority data as claimed by applicant PCT/JP02/03920 04/19/2002

Foreign Applications

JAPAN 2001-125804 04/24/2001 JAPAN PCT/JP02/05920 04/49/2002

If Required, Foreign Filing License Granted: 01/23/2004

Projected Publication Date: 07/15/2004

Non-Publication Request: No

Early Publication Request: No

Title

Orally administered agent and an orally administered agent/supporting substrate complex

Preliminary Class

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Eiji NOGAMI

Serial No.: 10/690,811

Filed: 10/23/2003

Title: AN ORALLY ADMINISTERED

AGENT AND AN ORALLY

ADMINISTERED AGENT/SUPPORTING

SUBSTRATE COMPLEX

Atty. Dkt.: 24-009-TB

Art Unit: 1616

Examiner: Edward J. Webman

Commissioner for Patents
U.S. Patent and Trademark Office

Customer Window Randolph Building 401 Dulany St.

Alexandria, VA 22314

Date: 30 October 2007

YOLUNTARY AMENDMENT

Dear Sir:

The following amendments and remarks are submitted in response to the Official action mailed on August 1, 2007, which set forth a three-month period for response, making the request for continued examination (RCE) filed together herewith due on or before November 1, 2007. Prior to an examination of this application based on the RCE filed together herewith, please amend the above-identified application as follows.

Amendments to the Specification begin on page 2 of this paper.

Amendments to the Claims are reflected in the Listing of Claims that begins on page 3 of this paper.

Remarks begin on page 6 of this paper.

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AMENDMENTS TO THE SPECIFICATION:

Please insert the following heading and the paragraph between page 1, lines 3 and 4:

-- CROSS REFERENCE TO RELATED APPLICATIONS

The present application is a continuation of International Application No.

PCT/JP02/03920 filed on April 19, 2002, which application was not published in English, and which is based upon and claims the benefit of Japanese Patent Application No. 2001-125804 filed on April 24, 2001, the contents of which are incorporated herein by reference. --

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LISTING OF CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Please amend claims 1 and 13 as follows.

1. (Currently amended) An orally administered agent free of a bioadhesive layer, comprising a drug-containing layer and a water-swellable gel-forming layer,

wherein said water-swellable gel-forming layer is provided as an outermost layer of said orally administered agent, and

the drug of the drug-containing layer is released in a digestive tract.

- 2. (Original) The orally administered agent according to claim 1, wherein said orally administered agent is a film-shaped preparation.
- 3. (Original) The orally administered agent according to claim 2, wherein said water-swellable gel-forming layer contains a water-swellable gel-forming agent and a film-forming agent.
- 4. (Original) The orally administered agent according to claim 3, wherein said water-swellable gel-forming agent is a cross-linked carboxyvinyl polymer, and said film-forming agent is a polyvinyl alcohol.

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- 5. (Original) The orally administered agent according to claim 4, wherein said cross-linked carboxyvinyl polymer is a carboxyvinyl polymer cross-linked by a polyvalent metal compound.
- 6. (Previously presented) The orally administered agent according to claim 3, wherein the content of said water-swellable gel-forming agent in said water-swellable gel-forming layer is 15 to 70 wt%, and the content of said film-forming agent in said water-swellable gel-forming layer is 30 to 85 wt%.
- 7. (Previously presented) The orally administered agent according to claim 1, wherein said water-swellable gel-forming layer can mask the taste and/or smell of a drug contained in said drug-containing layer.
- 8. (Previously presented) The orally administered agent according to claim 1, wherein said drug-containing layer contains an edible polymer as a base.
- 9. (Original) The orally administered agent according to claim 8, wherein said edible polymer is cellulose and/or a cellulose derivative.
- 10. (Previously presented) The orally administered agent according to claim 8, wherein the content of said edible polymer in said drug-containing layer is at least 20 wt%.
- 11. (Previously presented) An orally administered agent/supporting substrate complex comprising the orally administered agent according to any one of claims 1 to 10, and a

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supporting substrate that supports the orally administered agent, wherein said orally administered agent is provided on said supporting substrate either directly or via an intermediate layer.

- 12. (Previously presented) The orally administered agent/supporting substrate complex according to claim 1, wherein said supporting substrate has a gripping part and a mouth-inscrting part, and said orally administered agent is provided on said mouth-inserting part.
- 13. (Currently amended) An orally administered agent free of a bioadhesive layer comprising a drug-containing layer and a water-swellable gel-forming layer, wherein said waterswellable gel-forming layer is being provided as an outermost layer of said orally administered agent, and wherein the agent can be being swallowed without getting stuck in a trachea, and the drug of the drug-containing layer being released in a digestive system.

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REMARKS

In part 12 of the Office Action Summary, none of the boxes are checked. However, the applicant filed a certified copy of the priority document on April 10, 2007, together with a priority claim. The PAIR system shows that the priority document was received. Applicant (Eiji NOGAMI) respectfully requests that the next communication from the Patent Office kindly acknowledge receipt of the claim for priority under 35 U.S.C. §119 and receipt of the certified copy of the priority document.

The foregoing amendments amended the beginning of the present specification disclosure to identify prior applications. Claims 1 and 13 were amended in the foregoing amendments to define that the drug of the drug-containing layer is released in a digestive system. This aspect of applicant's invention is described on page 14, line 24 to page 15, line 5; page 35, line 9 et seq. and elsewhere in the present specification disclosure. The Official action mailed on August 1, 2007 withdrew claims 11 and 12 as directed to a non-elected invention. Accordingly, claims 1-10 and 13 are pending in the application for consideration by the examiner. Applicant respectfully requests reconsideration and allowance of these claims for at least the following reasons.

Claims 1-10 and 13 were rejected under 35 U.S.C. §102(b) as being anticipated by U.S. Patent No. 5,456,745 of Roreger et al. (Roreger). This rejection is set forth on page 2 of the Official action. Applicant respectfully submits that the inventions defined in claims 1-10 and 13 are patently distinguishable from the teachings of Roreger within the meaning of 35 U.S.C. §102 or 35 U.S.C. §103 for at least the following reasons.

The teachings of Roreger do not contemplate or suggest, inter alia, an orally administered agent free of a bioadhesive layer, comprising a drug-containing layer and a water-swellable gel-forming layer, the water-swellable gel-forming layer being provided as an

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outermost layer of said orally administered agent, and the drug of the drug-containing layer being released in a digestive tract, as required in present claims 1 and 13. Accordingly, applicant respectfully submits that the teachings of Roreger cannot contemplate or suggest the inventions defined in claims 1 and 13, as well as the inventions in claims 2-10 that depend on claim 1.

For example, the teachings of Roreger, at best, propose:

- the gel film being produced of components having optimum skin and mucous membrane tolerance (column 2, lines 15-17),
- In a preferred embodiment, the substrate with which the gel film interacts is damaged skin (column 6, lines 60-61),
- In another preferred embodiment, the substrate with which the gel film interacts is intact skin (column 7, lines 61-62),
- By this way of alternating release of active substances, it is possible, e.g. to consider
 more purposeful specific therapy schemes, which is usual in the peroral application of
 medicines, but without the disadavantages of peroral medicines (column 9, line 65 column 10, line 2), and
- According to a further preferred embodiment, the substrate with which the gel film interacts is mucous membrane (column 10, lines 29-30).

From the above, it is readily apparent that the teachings of Roreger are concerned with a flexible, hydrophilic gel film that is applied to the skin or mucous membrane, not an orally administered agent containing a drug that is released in the digestive tract, as required in present claims 1 and 13. While the Official action stated that the presently claimed orally administered agent is "intended use" and not considered a patentable limitation during prosecution of composition claims before the USPTO, applicant respectfully submits that this position is not

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correct for the present claims. The presently claimed invention is directed to solving problems unique to an orally administered agent containing a drug. It is well established in the case law that if limitations in the preamble of a claim necessarily give meaning to the claim and properly define the invention, then such limitations must be considered when determining the patentability of the claims. The predecessor court of the Court of Appeals for the Federal Circuit (CAFC), namely, the Court of Custom and Patent Appeals (CCPA) summarized this approach in Kropa v. Robie, 88 USPQ 478 (1951), after reviewing some 37 cases that turned on the limiting nature of the preambles to the claims in suit. See also Loctite Corp. v. Ultraseal Ltd., 228 USPQ 90, 94 (Fed. Cir. 1985). According to the court in Kropa:

[T]he preamble has been denied the effect of a limitation where... the claim or [interference] count apart from the introductory clause completely defined the subject matter [of the invention], and the preamble merely stated a purpose or intended use of that subject matter. On the other hand, in those... cases where the preamble to the claim or count was expressly or by necessary implication given the effect of a limitation, the introductory phrase was deemed essential to point out the invention defined by the claim or count. In the latter class of cases, the preamble was considered necessary to give life, meaning and vitality to the claims or counts.

Examples of preambles cited in Kropa as expressly or impliedly held to express a limitation in the claims are "An insecticide" and "An insecticide composition." Applicant respectfully submits that the claims in this application present precisely the situation where the preamble of a claim has been held to express a limitation in the claim in Kropa. The preamble of applicant's claims distinguishes the presently claimed invention by defining an orally administered agent containing a drug that is released in the digestive tract, which area of technology is unique and presents significantly more difficulties compared to, for example, the flexible, hydrophilic gel film that is applied to the skin or mucous membrane, such as proposed by Roreger. Therefore, applicant respectfully submits that teachings that are not concerned with an orally administered agent containing a drug that is released in the digestive tract, such

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as those of Roreger, could not possibly motivate one of ordinary skill in the art to the presently claimed orally administered agent.

Furthermore, the teachings of Roreger propose that in the case of buccal or sublingual application of the gel film, the active substance can be released to the system circulation via the mucous membrane of the mouth. In this case, the gel film has a back layer that prevents removal of larger amounts of active substance from the gel film via the saliva and prevents large amounts of active substance from being absorbed gastrointestinally after choking (column 10, lines 54-60 of Roreger). Accordingly, it would be readily apparent to those persons skilled in the art that the flexible, hydrophilic gel film proposed by Roreger is not an orally administered agent containing, inter alia, a drug that is released in the digestive tract, as required in present claims 1 and 13.

Furthermore, given the discussion of choking at column 10, lines 54-60 of Roreger, applicant respectfully submits that it is impossible for these teachings to contemplate or suggest that the agent is swallowed without getting stuck in a trachea, as required in present claim 13. In particular, applicant respectfully submits that it is impossible and improper to modify the teachings of Roreger to include an agent being swallowed without getting stuck in a trachea, when the teachings of Roreger propose an advantage to the gel film therein choking the user. The courts have repeatedly held that references cannot properly be modified or combined, if the effect would destroy the invention on which reference is based. In re Randol and Redford, 165 USPQ 586 (CCPA 1970); Ex parte Thompson, 184 USPQ 558 (PTO Bd. Pat Apps. & Interf. 1974); Ex parte Hartman, 186 USPQ 336 ((PTO Bd. Pat Apps. & Interf. 1976).

At least for the foregoing reasons, applicant respectfully submits that the inventions defined in claims 1-10 and 13 are patently distinguishable from the teachings of Roreger.

Therefore, applicant respectfully requests that the examiner reconsider and withdraw this rejection and formally allow claims 1-10 and 13, together with withdrawn claims 10 and 11.

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orney Docket No. 24-009-TB

While it is believed that the present response is a complete and proper response to the Official action mailed August 1, 2007, should the examiner have any comments or questions, it is respectfully requested that the undersigned be telephoned at the below listed number to resolve any outstanding issues.

In the event this paper is not timely filed, applicant hereby petitions for an appropriate extension of time. The fee therefor, as well as any other fees which become due, may be charged to our deposit account No. 50-1147.

Respectfully submitted,

R. Eugene Varndell,

Reg. No. 29,728

Posz Law Group, PLC 12040 South Lakes Drive Suite 101 Reston, VA 20191 Phone 703-707-9110 Fax 703-707-9112 Customer No. 23400 IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Eiji NOGAMI

Application No.: 10/690,811

Filed: October 23, 2004

Title: ORALLY ADMINISTERED AGENT AND AN ORALLY ADMINISTERED AGENT/SUPPORTING SUBSTRATE

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COMPLEX

Atty. Docket No.: 24-009-TB

Art Unit: 1616

Examiner: Edward J. Webman

Mail Stop: Office of Initial Patent **Examination Filing Receipt Corrections** Commissioner for Patents

Alexandria, VA 22314

Date: November 20, 2007

SECOND REQUEST FOR CORRECTED FILING RECEIPT

Sir:

Applicant respectfully requests a corrected filing receipt in connection with the aboveidentified application. The filing receipt mailed on December 12, 2005 correctly contains the international priority information (i.e., "This application is a CON of PCT/JP02/03920 04/19/2002") under "Domestic Priority."

Unfortunately, this same information is also included under "Foreign Applications," which is not correct. For this reason, applicant respectfully requests that only the information under the heading "Foreign Applications" be changed by deleting reference to the international application, "JAPAN PCT/JP02/03920 04/19/2002." In other words, applicant respectfully requests that the information under the heading "Foreign Applications" in the Official filing receipt be changed from:

> "Foreign Applications JAPAN 2001-125804 04/24/2001 JAPAN PCT/JP02/03920 04/19/2002"

to:

"Foreign Applications JAPAN 2001-125804 04/24/2001" For the foregoing reasons, applicant respectfully requests the issuing of a corrected filing receipt and the mailing of the same to the undersigned, where the "Foreign Applications" section refers only to "JAPAN 2001-125804 04/24/2001." Applicant is attaching the following information hereto for facilitating this request:

- A copy of the Official filing receipt with indicated corrections marked thereon (one page);
- · A copy of Application Data Sheet (two pages); and
- A copy of originally-filed Utility Patent Application Transmittal Form PTO/SB/05 (one page).

In the event that there are any questions concerning this request, applicant respectfully requests that the undersigned be telephoned at the below-listed number to resolve any outstanding issues.

Please charge any unforeseen fees that may be due to deposit account No. 50-1147.

Respectfully submitted,

R. Eugene Varndell, Jr.

Reg/No. 29,728

Posz Law Group, PLC 12040 South Lakes Drive Suite 101 Reston, VA 20191 Phone 703-707-9110 Fax 703-707-9112 Customer No. 23400



05/06/2008

<u>United States Patent and Trademark Office</u>

United states department of commerce United States Fatent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Bez 1450 Alexandria, Vindnia 22313-1450 ndria, Vindnia 22313-1450

APPLICATION FILING or GRPART NUMBER 371(c) DATE UNIT FIL FEE REC'D 10/690,811 ATTY DOCKET NO 10/23/2003 1616 IND CLAIMS 1740 24-009-TB

23400 POSZ LAW GROUP, PLC 12040 SOUTH LAKES DRIVE SUITE 101 RESTON, VA 20191

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CONFIRMATION NO. 5426 CORRECTED FILING RECEIPT



Date Mailed: 12/04/2007

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filling Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the

Applicant(s)

Eiji Nogami, Saitama-shi, JAPAN;

Power of Attorney: The patent practitioners associated with Customer Number 23400

Domestic Priority data as claimed by applicant

This application is a CON of PCT/JP02/03920 04/19/2002

Foreign Applications JAPAN 2001-125804 04/24/2001

If Required, Foreign Filing License Granted: 01/23/2004

The country code and number of your priority application, to be used for filing abroad under the Paris Convention,

Projected Publication Date: Not Applicable

Non-Publication Request: No

Early Publication Request: No